Quantitation Report (QT Reviewed)

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN032625\
Data File : BN036724.D
Acq On : 26 Mar 2025 11:07
Operator : RC/JU
Sample : Q1546-02
Misc : MDL-WATER-QT1-2025
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Quant Time: Mar 26 12:09:35 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-SIM-BN032425.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Mar 24 17:31:03 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.703	152	1641	0.400	ng/ul	0.00
4) Naphthalene-d8	10.502	136	3501	0.400	ng/ul	0.00
9) Acenaphthene-d10	14.350	164	2245	0.400	ng/ul	0.00
13) Phenanthrene-d10	17.100	188	4505	0.400	ng/ul	0.00
17) Chrysene-d12	21.284	240	3684	0.400	ng/ul	0.00
23) Perylene-d12	23.529	264	3621	0.400	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.193	96	946	0.479	ng/ul	0.00
6) 2-Methylnaphthalene-d10	12.107	152	1491	0.303	ng/ul	0.02
18) Fluoranthene-d10	19.124	212	4410	0.365	ng/ul	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.231	88	167	0.078	ng/ul#	77
5) Naphthalene	10.551	128	752	0.071	ng/ul#	70
7) 2-Methylnaphthalene	12.173	142	426	0.065	ng/ul	99
8) 1-Methylnaphthalene	12.393	142	482	0.067	ng/ul	99
10) Acenaphthylene	14.072	152	734	0.067	ng/ul#	76
11) Acenaphthene	14.415	153	607	0.069	ng/ul	95
12) Fluorene	15.414	166	611	0.062	ng/ul#	94
14) Pentachlorophenol	16.762	266	115	0.076	ng/ul	93
15) Phenanthrene	17.142	178	1034	0.067	ng/ul#	84
16) Anthracene	17.239	178	816m	0.062	ng/ul	
19) Fluoranthene	19.157	202	1262	0.074	ng/ul#	85
20) Pyrene	19.519	202	1352	0.076	ng/ul#	92
21) Benzo(a)anthracene	21.272	228	936	0.067	ng/ul#	89
22) Chrysene	21.322	228	1271	0.079	ng/ul#	91
24) Benzo(b)fluoranthene	22.856	252	1120	0.078	ng/ul#	9
25) Benzo(k)fluoranthene	22.903	252	1234	0.076	ng/ul#	48
26) Benzo(a)pyrene	23.432	252	1022m	0.077	ng/ul	
27) Indeno(1,2,3-cd)pyrene	25.813	276	1090	0.073	ng/ul#	46
28) Dibenzo(a,h)anthracene	25.830	278	775	0.069	ng/ul#	21
29) Benzo(g,h,i)perylene	26.501	276	977	0.080	ng/ul#	72

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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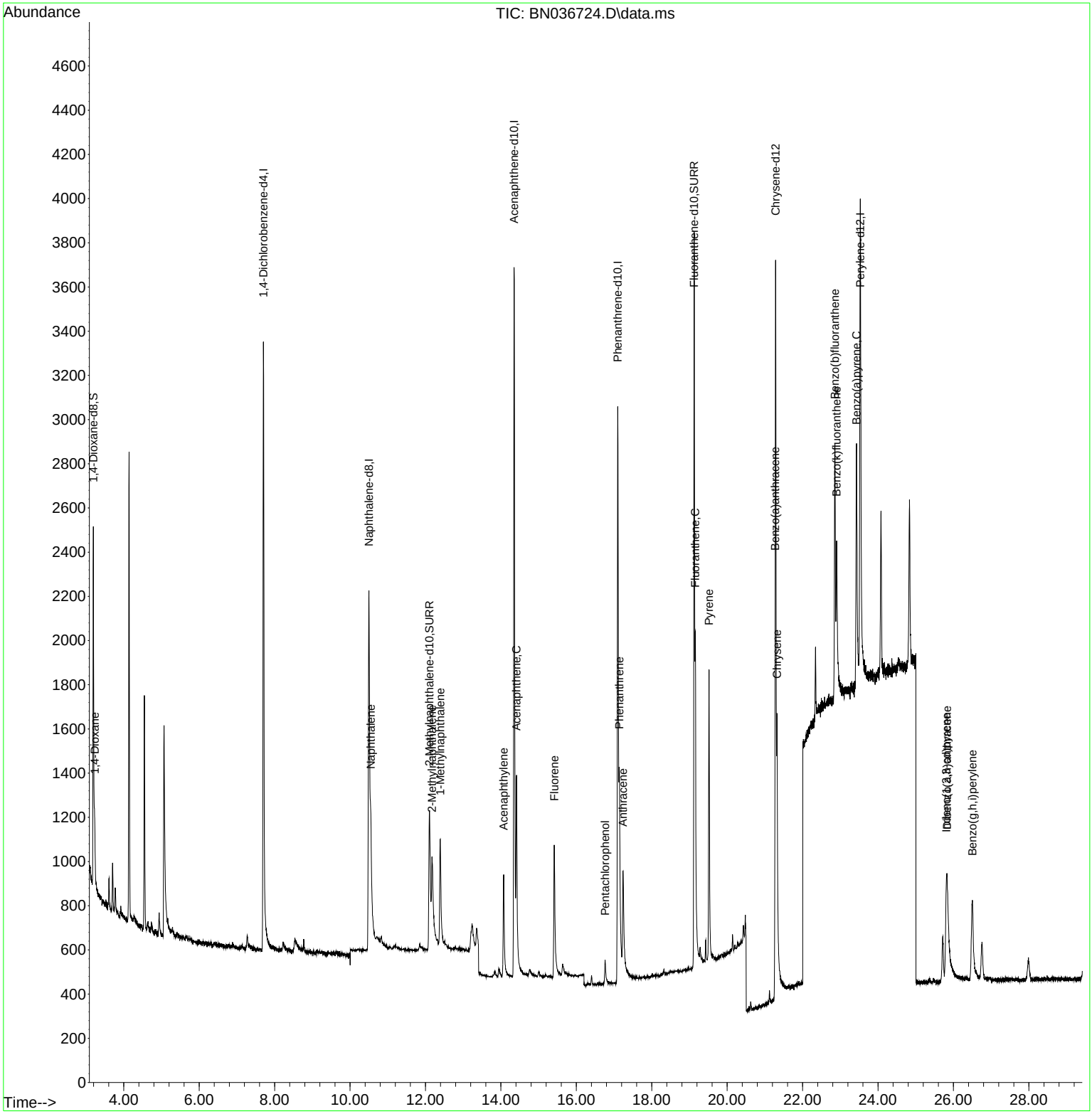
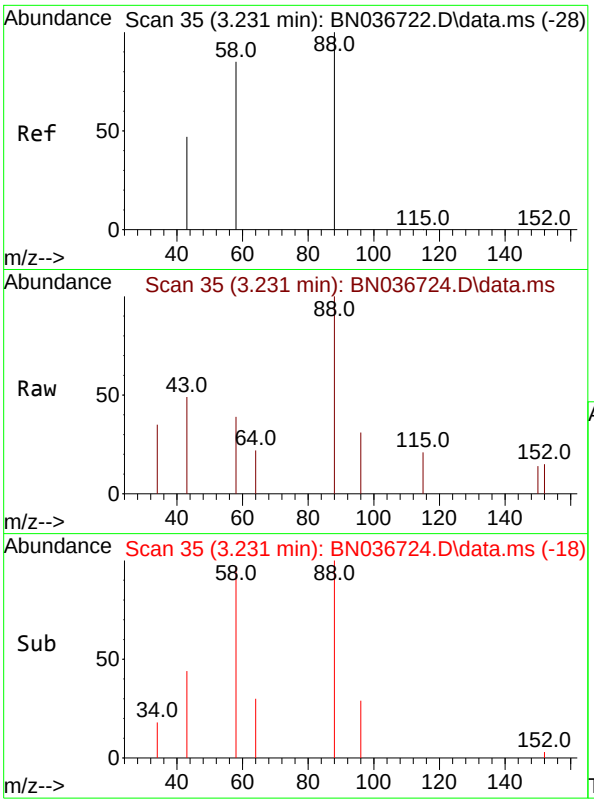


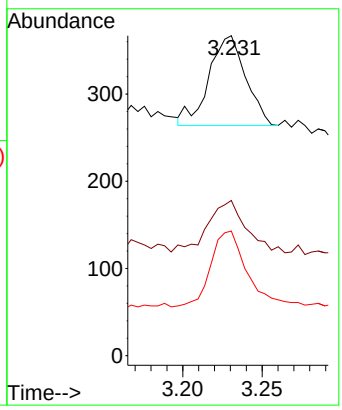


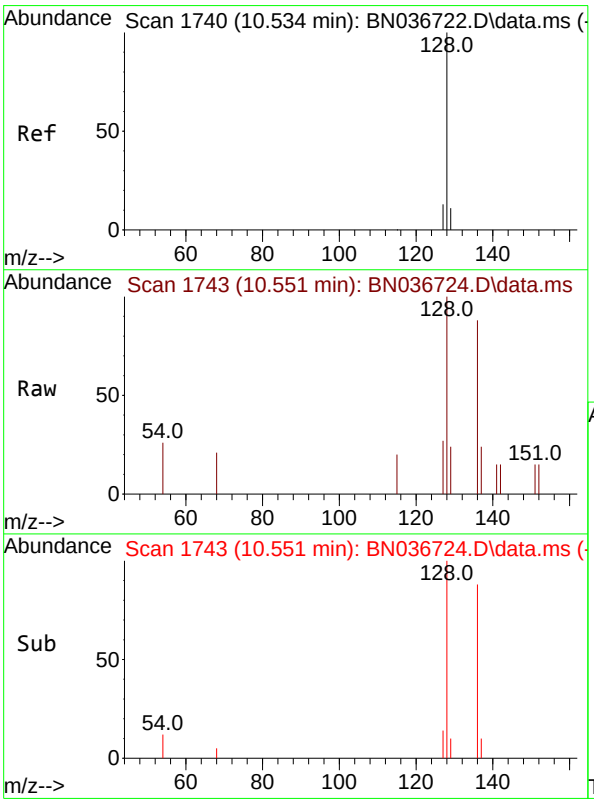
#2
1,4-Dioxane
Concen: 0.078 ng/ul
RT: 3.231 min Scan# 3
Delta R.T. -0.000 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion: 88 Resp: 167

Ion	Ratio	Lower	Upper
88	100		
43	48.5	39.4	59.0
58	39.0	56.9	85.3#

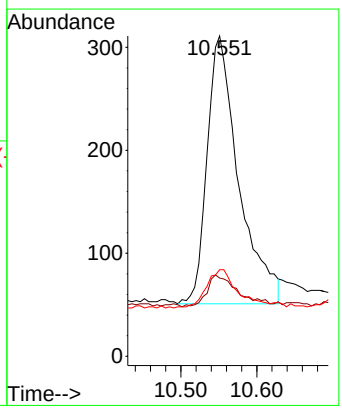


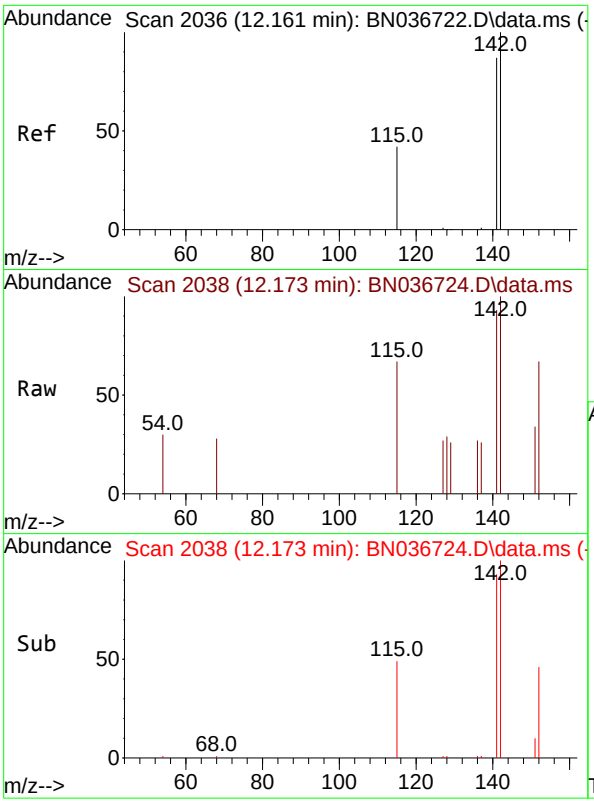


#5
Naphthalene
Concen: 0.071 ng/ul
RT: 10.551 min Scan# 1743
Delta R.T. 0.007 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Tgt Ion:128 Resp: 752

Ion	Ratio	Lower	Upper
128	100		
129	24.4	9.8	14.6#
127	27.0	11.8	17.8#



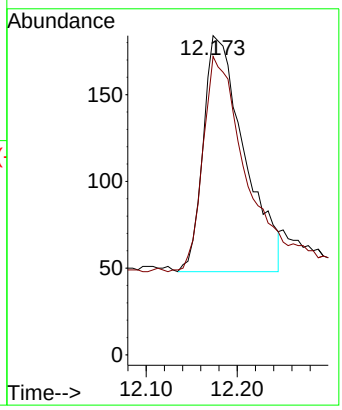


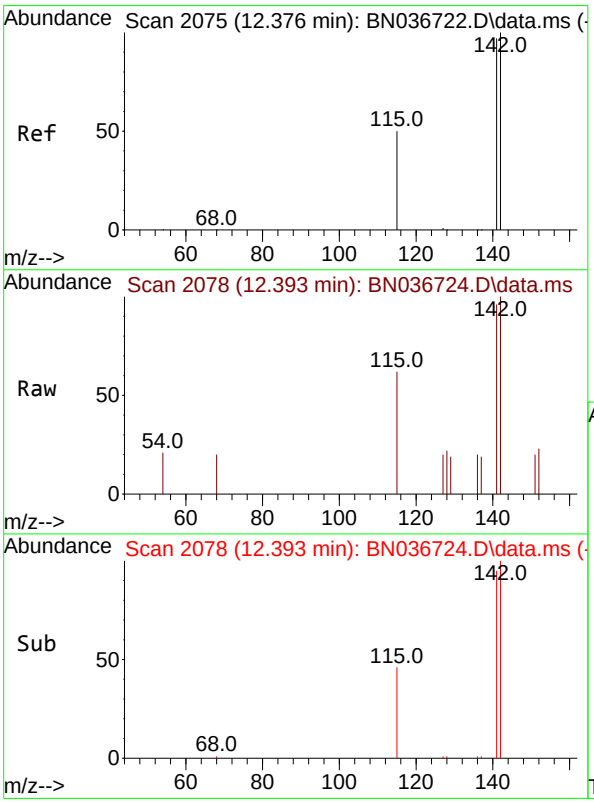
#7
2-Methylnaphthalene
Concen: 0.065 ng/ul
RT: 12.173 min Scan# 2
Delta R.T. 0.007 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:142 Resp: 426

Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.2	109.8

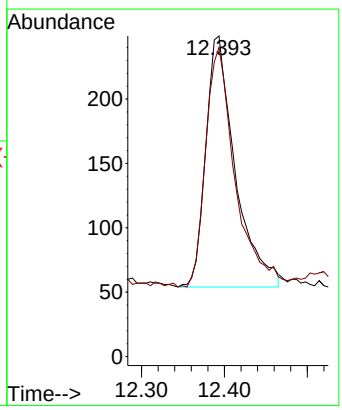


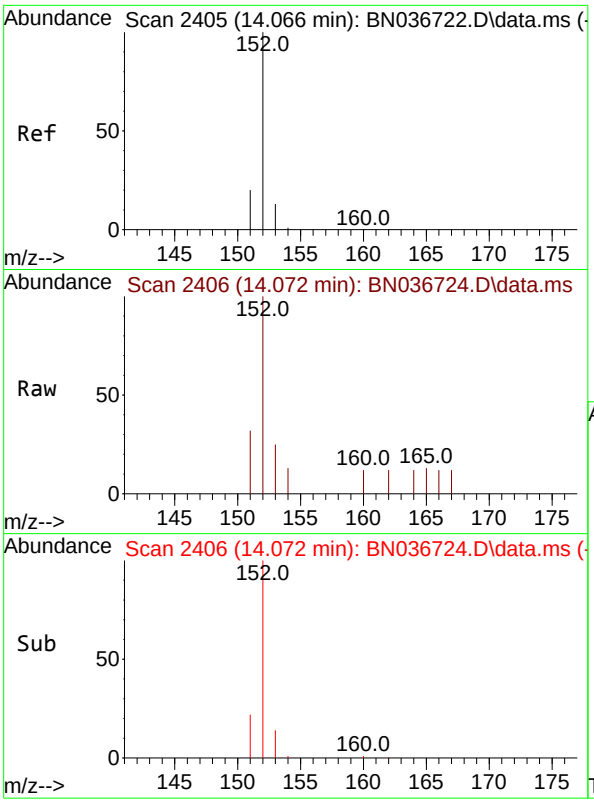


#8
1-Methylnaphthalene
Concen: 0.067 ng/ul
RT: 12.393 min Scan# 2078
Delta R.T. 0.012 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Tgt Ion:142 Resp: 482

Ion	Ratio	Lower	Upper
142	100		
141	94.8	75.3	112.9



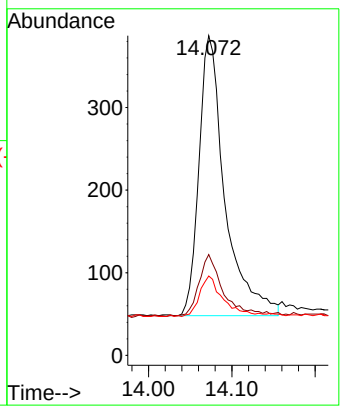


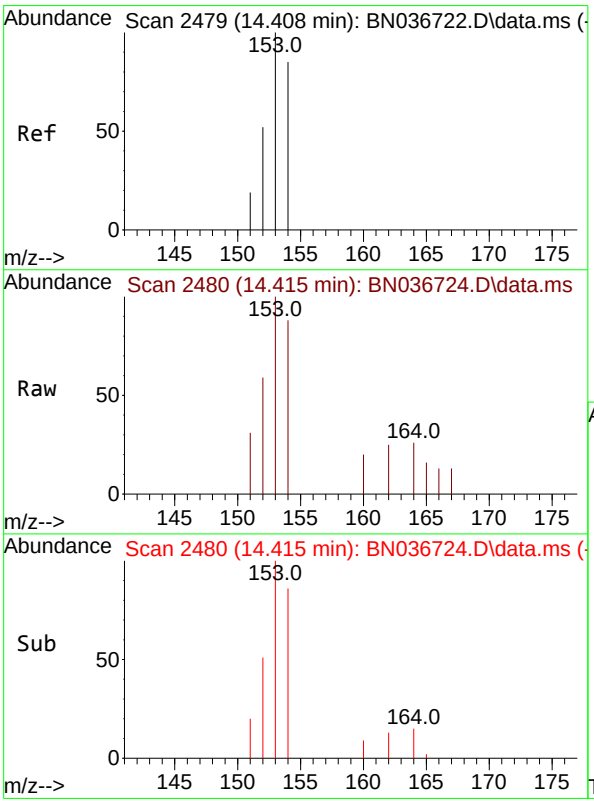
#10
Acenaphthylene
Concen: 0.067 ng/ul
RT: 14.072 min Scan# 24
Delta R.T. 0.002 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:152 Resp: 734

Ion	Ratio	Lower	Upper
152	100		
151	31.5	16.6	25.0#
153	24.8	11.4	17.2#

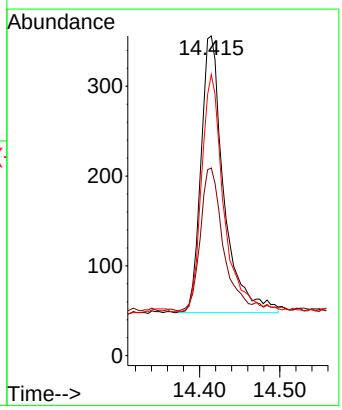


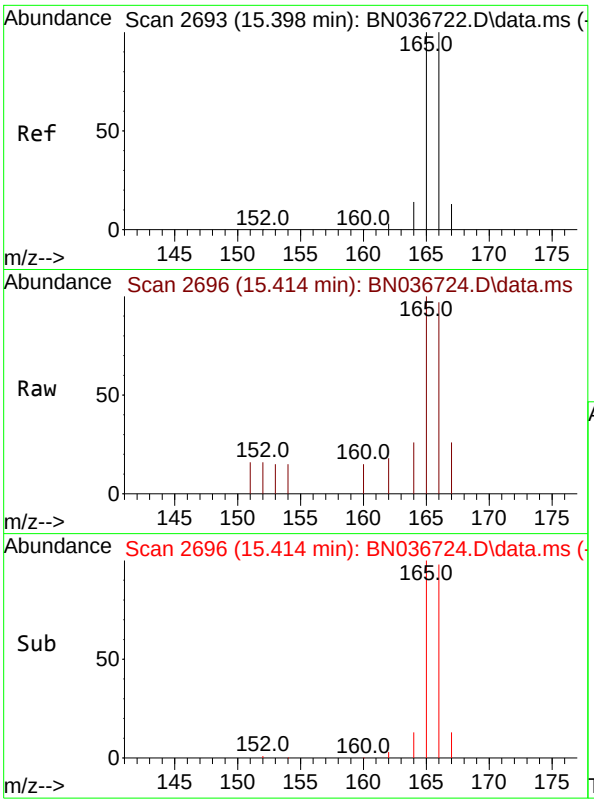


#11
Acenaphthene
Concen: 0.069 ng/ul
RT: 14.415 min Scan# 2480
Delta R.T. 0.002 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Tgt Ion:153 Resp: 607

Ion	Ratio	Lower	Upper
153	100		
152	58.7	42.6	64.0
154	87.9	68.2	102.4



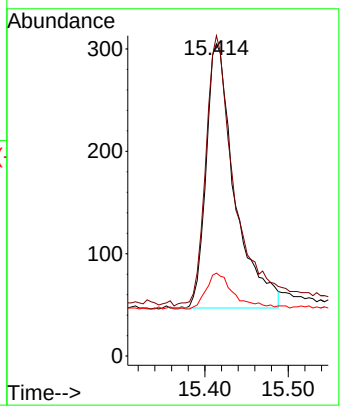


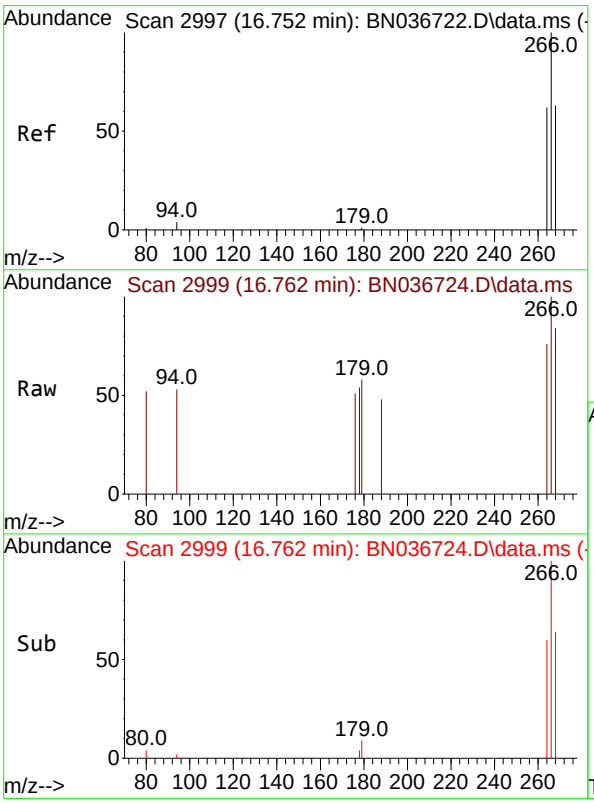
#12
Fluorene
Concen: 0.062 ng/ul
RT: 15.414 min Scan# 2
Delta R.T. 0.011 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:166 Resp: 611

Ion	Ratio	Lower	Upper
166	100		
165	102.6	79.8	119.6
167	26.6	11.9	17.9#

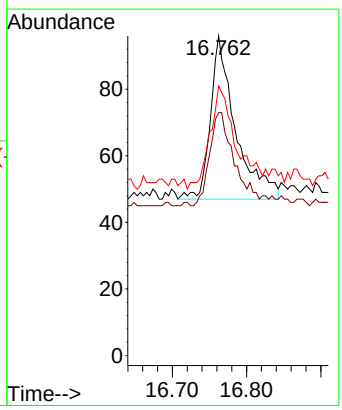


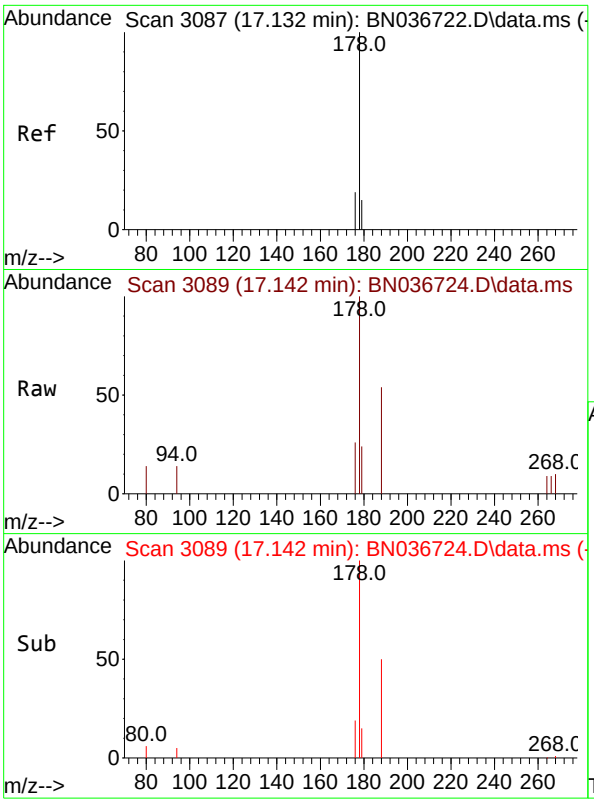


#14
Pentachlorophenol
Concen: 0.076 ng/ul
RT: 16.762 min Scan# 2999
Delta R.T. 0.006 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Tgt Ion:266 Resp: 115

Ion	Ratio	Lower	Upper
266	100		
264	59.1	50.6	76.0
268	72.2	52.0	78.0



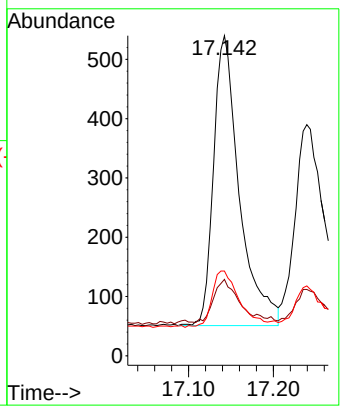


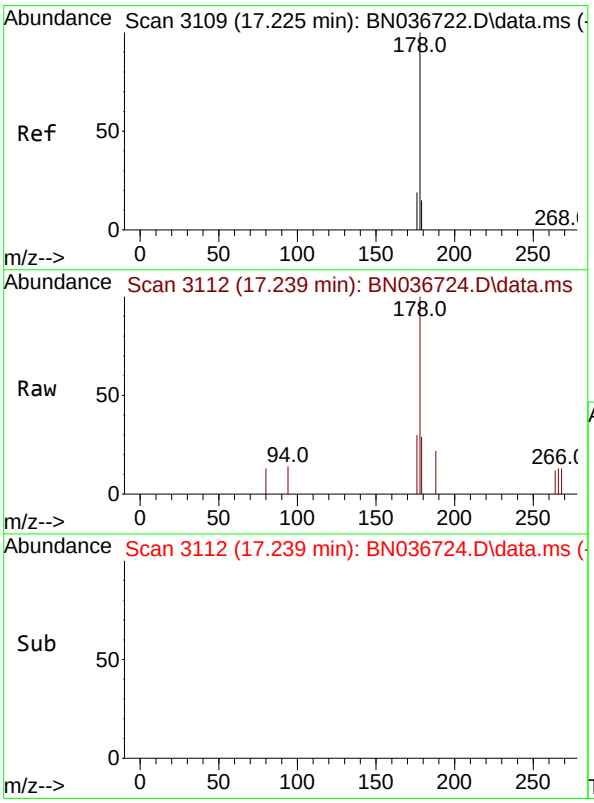
#15
Phenanthrene
Concen: 0.067 ng/ul
RT: 17.142 min Scan# 3
Delta R.T. 0.006 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:178 Resp: 1034

Ion	Ratio	Lower	Upper
178	100		
179	23.9	12.6	19.0#
176	26.5	16.1	24.1#

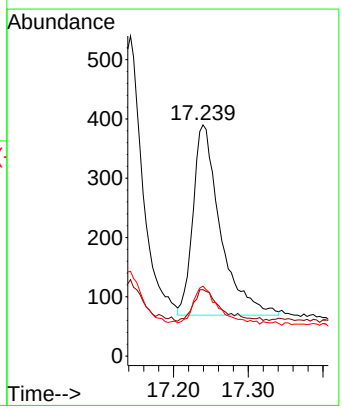


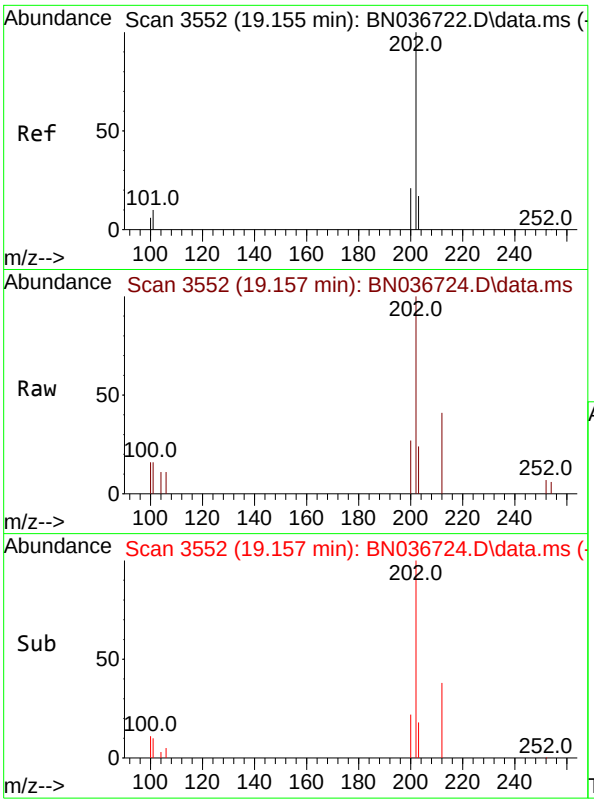


#16
Anthracene
Concen: 0.062 ng/ul m
RT: 17.239 min Scan# 3112
Delta R.T. 0.006 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Tgt Ion:178 Resp: 816

Ion	Ratio	Lower	Upper
178	100		
179	28.7	13.4	20.0#
176	30.3	15.9	23.9#



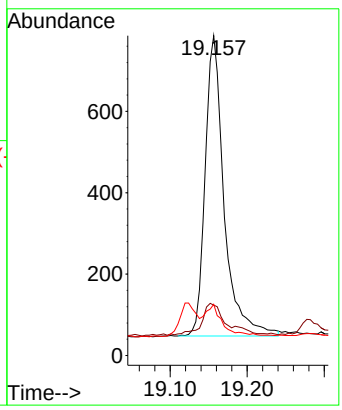


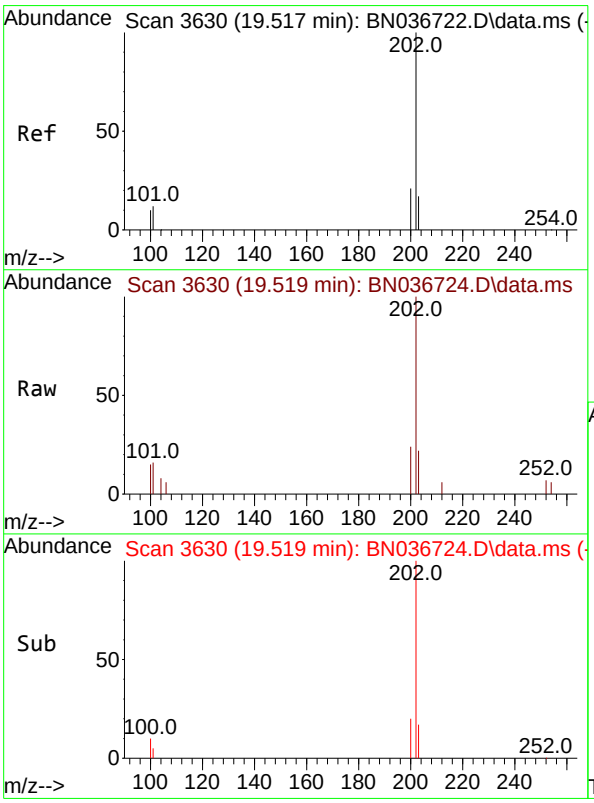
#19
Fluoranthene
Concen: 0.074 ng/ul
RT: 19.157 min Scan# 3
Delta R.T. -0.003 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:202 Resp: 1262

Ion	Ratio	Lower	Upper
202	100		
101	15.8	9.0	13.6#
100	16.0	7.2	10.8#

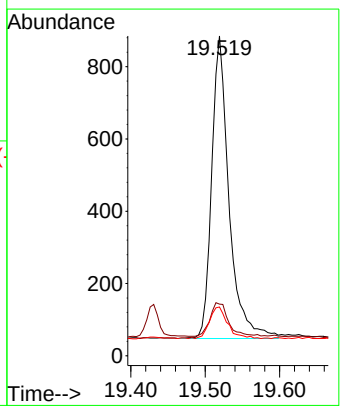


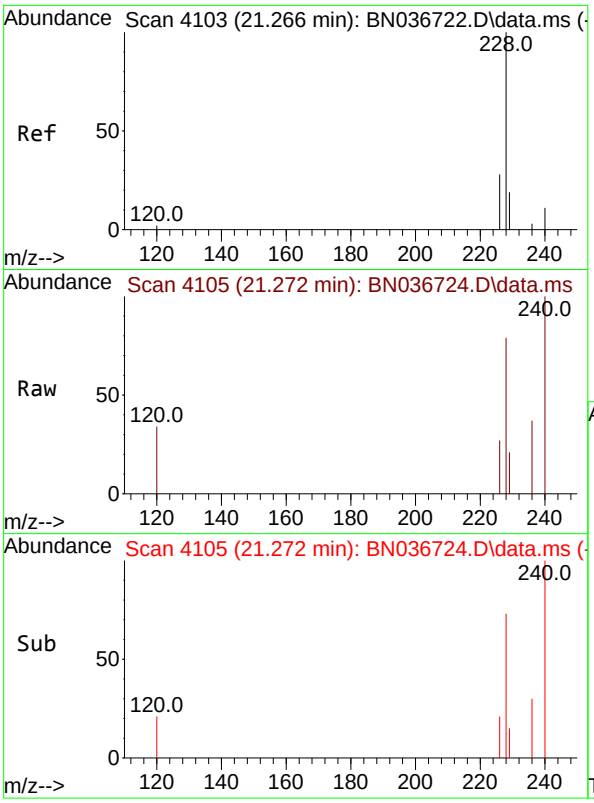


#20
Pyrene
Concen: 0.076 ng/ul
RT: 19.519 min Scan# 3630
Delta R.T. -0.003 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Tgt Ion:202 Resp: 1352

Ion	Ratio	Lower	Upper
202	100		
101	16.2	10.6	16.0#
100	15.3	9.3	13.9#



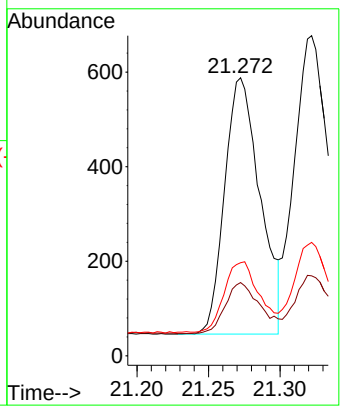


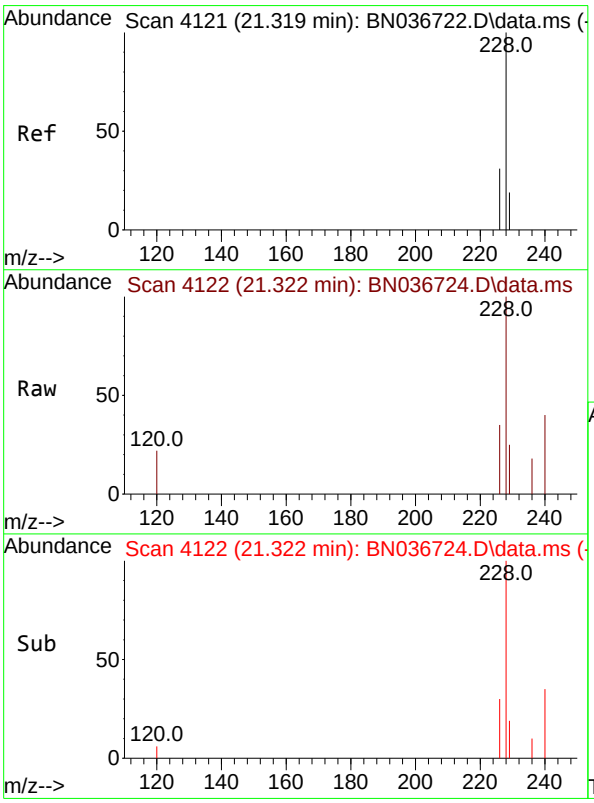
#21
Benzo(a)anthracene
Concen: 0.067 ng/ul
RT: 21.272 min Scan# 4
Delta R.T. -0.000 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:228 Resp: 936

Ion	Ratio	Lower	Upper
228	100		
229	26.4	16.0	24.0#
226	33.5	22.7	34.1

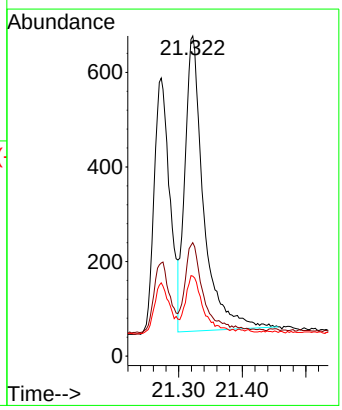


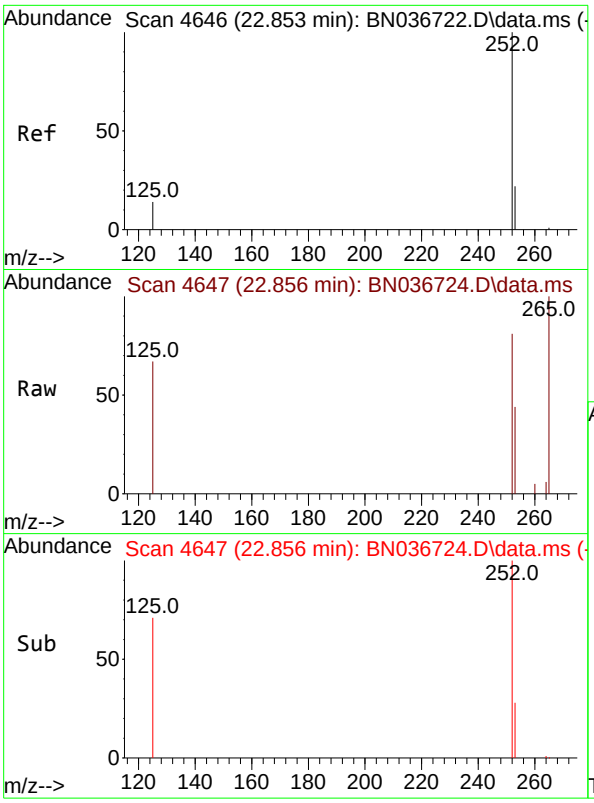


#22
Chrysene
Concen: 0.079 ng/ul
RT: 21.322 min Scan# 4122
Delta R.T. -0.003 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Tgt Ion:228 Resp: 1271

Ion	Ratio	Lower	Upper
228	100		
226	35.5	25.0	37.6
229	25.0	15.7	23.5#



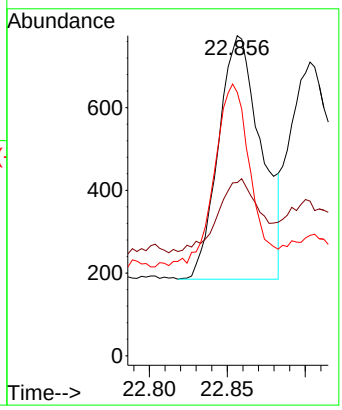


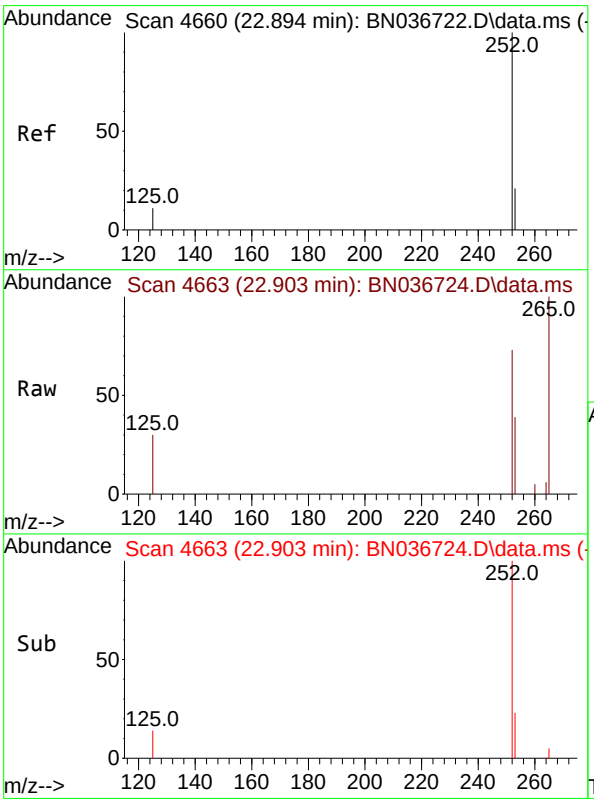
#24
Benzo(b)fluoranthene
Concen: 0.078 ng/ul
RT: 22.856 min Scan# 4
Delta R.T. -0.003 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:252 Resp: 1120

Ion	Ratio	Lower	Upper
252	100		
253	54.1	0.0	52.6#
125	82.3	0.0	35.8#

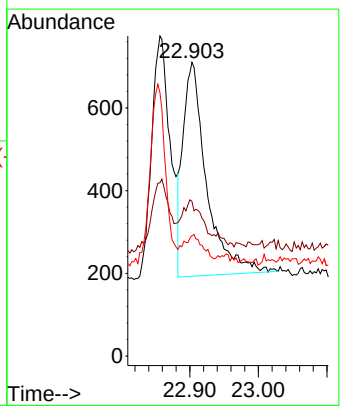


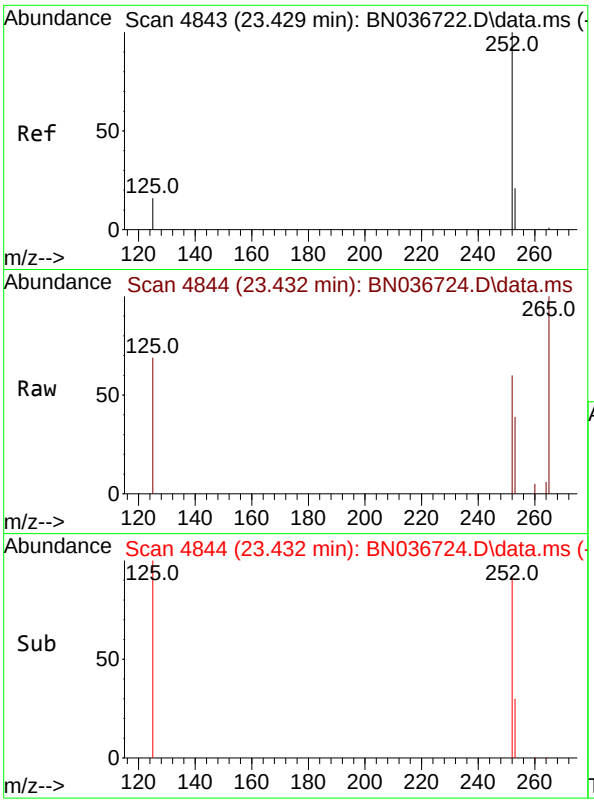


#25
Benzo(k)fluoranthene
Concen: 0.076 ng/ul
RT: 22.903 min Scan# 4663
Delta R.T. -0.000 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Tgt Ion:252 Resp: 1234

Ion	Ratio	Lower	Upper
252	100		
253	52.7	21.4	32.0#
125	41.0	13.7	20.5#



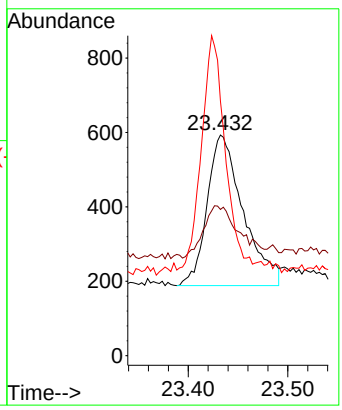


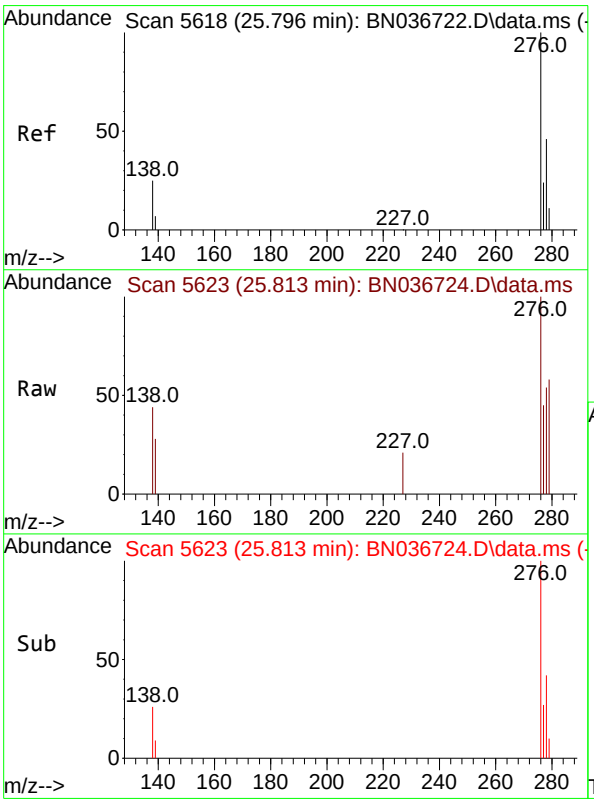
#26
Benzo(a)pyrene
Concen: 0.077 ng/ul m
RT: 23.432 min Scan# 4
Delta R.T. -0.006 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:252 Resp: 1022

Ion	Ratio	Lower	Upper
252	100		
253	66.3	24.2	36.2#
125	115.3	18.2	27.4#

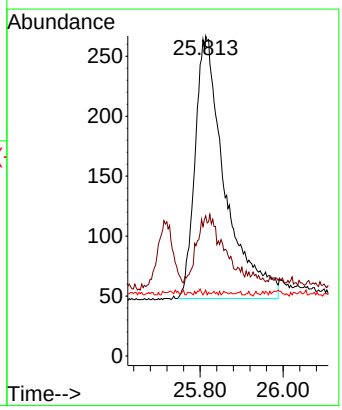


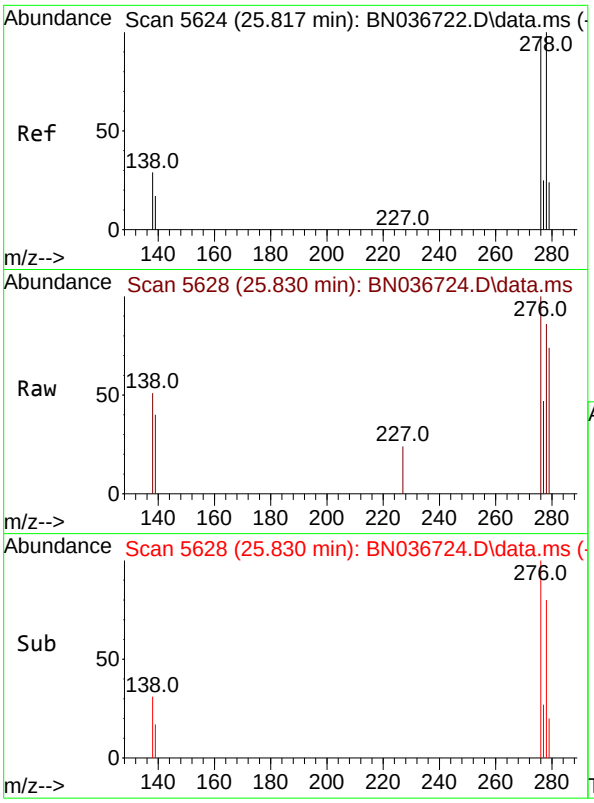


#27
Indeno(1,2,3-cd)pyrene
Concen: 0.073 ng/ul
RT: 25.813 min Scan# 5623
Delta R.T. 0.003 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Tgt Ion:276 Resp: 1090

Ion	Ratio	Lower	Upper
276	100		
138	0.0	23.2	34.8#
227	0.2	0.1	0.1#



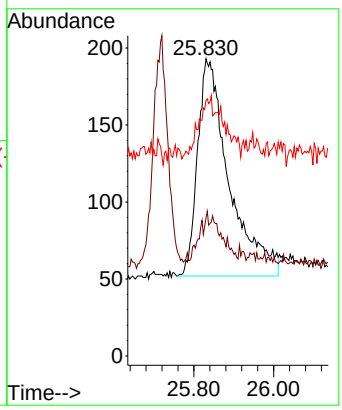


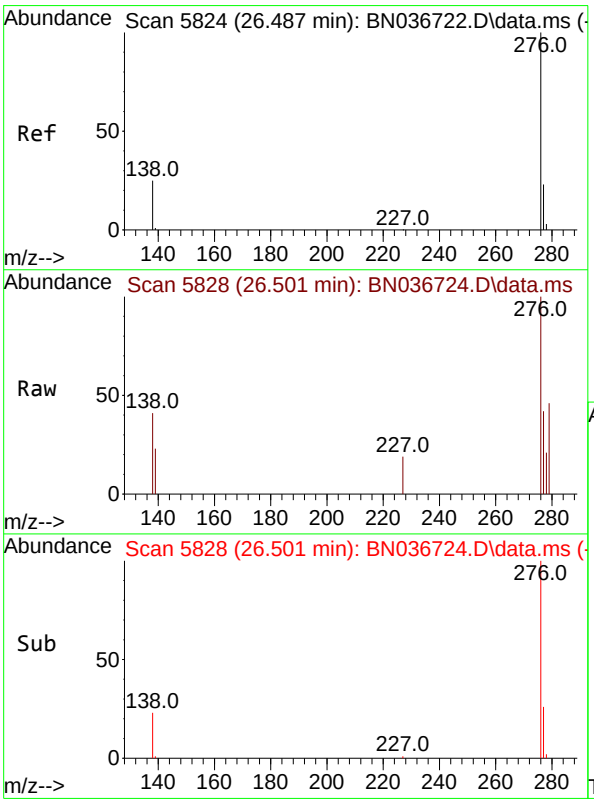
#28
Dibenzo(a,h)anthracene
Concen: 0.069 ng/ul
RT: 25.830 min Scan# 5
Delta R.T. -0.004 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Instrument :
BNA_N
ClientSampleId :
MDL-WATER-QT1-2025-02

Tgt Ion:278 Resp: 775

Ion	Ratio	Lower	Upper
278	100		
139	46.6	17.7	26.5#
279	86.0	25.4	38.2#





#29
Benzo(g,h,i)perylene
Concen: 0.080 ng/ul
RT: 26.501 min Scan# 5828
Delta R.T. -0.000 min
Lab File: BN036724.D
Acq: 26 Mar 2025 11:07

Tgt Ion:276 Resp: 977

Ion	Ratio	Lower	Upper
276	100		
138	41.0	22.2	33.2#
277	41.7	20.6	31.0#